3. SUMMARY TABLE FOR SUPPORTING CALCULATION AND MEASUREMENT DATA
See Attachment D in the Instructions on how to Complete This Section

Watershed Name: Koontz Road - Westmoreland County

Design storm frequency 2-year Rainfall amount 2.44 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.15	0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.047	0.058	0.011
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.021	-0.026
Stormwater discharge rate for the design frequency storm			
1) 2-Year/24-Hour	1.854 cfs	1.374 cfs	-0.480 cfs
2) 10-Year/24-Hour	3.989 cfs	3.125 cfs	-0.864 cfs
3) 50-year/24-Hour	6.779 cfs	5.960 cfs	-0.819 cfs
4) 100-year/24-Hour	8.185 cfs	7.613 cfs	-0.572 cfs

4. SUMMARY DESCRIPTION OF POST CONSTRUCTION STORMWATER BMPs

In the lists below, check the BMPs identified in the Post Construction Stormwater Management Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the Site Restoration Plan is not listed below, describe it in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
Bio-infiltration areas	Infiltration/Recharge		
☐ Infiltration Trench		_____	_____
☐ Infiltration Bed		_____	_____
☐ Infiltrated Basin		_____	_____
Natural Area Conservation	Infiltration/Recharge		
☐ Streamside Buffer Zone		_____	_____
☐ Wetland Buffer Zone		_____	_____
☐ Sensitive Area Buffer Zone		_____	_____
☐ Pre-Construction Drainage Pattern Intact		_____	_____
Stormwater Retention	Detention/Retention		
☐ Constructed Wetlands		_____	_____
☐ Wet Ponds		_____	_____
☐ Retention Basin		_____	_____
Sediment and Pollutant Removal	Water Quality Treatment		
☐ Vegetated Filter Strips		_____	_____
☐ Compost Filter Sock		_____	_____
☐ Detention Basins		_____	_____

Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge		
Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Infiltration Berms	Infiltration/Recharge	1617 cf	1.030

5. Off-site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☐ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge.

The Applicant must provide a demonstration in both the E&S and PCSM Plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

6. Thermal Impact Analysis.

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

7. Critical PCSM Plan stages.

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

3. SUMMARY TABLE FOR SUPPORTING CALCULATION AND MEASUREMENT DATA
See Attachment D in the Instructions on how to Complete This Section

Watershed Name: Bush Road - Westmoreland County

Design storm frequency 2-year Rainfall amount 2.45 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.15	0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.053	0.058	0.005
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.018	-0.035
Stormwater discharge rate for the design frequency storm			
1) 2-Year/24-Hour	5.591 cfs	4.797 cfs	-0.794 cfs
2) 10-Year/24-Hour	11.44 cfs	10.07 cfs	-1.37 cfs
3) 50-year/24-Hour	19.05 cfs	17.26 cfs	-1.79 cfs
4) 100-year/24-Hour	22.83 cfs	20.87 cfs	-1.96 cfs

4. SUMMARY DESCRIPTION OF POST CONSTRUCTION STORMWATER BMPs

In the lists below, check the BMPs identified in the Post Construction Stormwater Management Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the Site Restoration Plan is not listed below, describe it in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
Bio-infiltration areas	Infiltration/Recharge		
☐ Infiltration Trench		_____	_____
☐ Infiltration Bed		_____	_____
☐ Infiltrated Basin		_____	_____
Natural Area Conservation	Infiltration/Recharge		
☐ Streamside Buffer Zone		_____	_____
☐ Wetland Buffer Zone		_____	_____
☐ Sensitive Area Buffer Zone		_____	_____
☐ Pre-Construction Drainage Pattern Intact		_____	_____
Stormwater Retention	Detention/Retention		
☐ Constructed Wetlands		_____	_____
☐ Wet Ponds		_____	_____
☐ Retention Basin		_____	_____
Sediment and Pollutant Removal	Water Quality Treatment		
☐ Vegetated Filter Strips		_____	_____
☐ Compost Filter Sock		_____	_____
☐ Detention Basins		_____	_____

Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Infiltration Berm	Infiltration/Recharge	_____ _____ _____ 1745 cubic feet	_____ _____ _____ 0.610

5. Off-site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☐ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge.

The Applicant must provide a demonstration in both the E&S and PCSM Plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

6. Thermal Impact Analysis.

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

7. Critical PCSM Plan stages.

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

3. SUMMARY TABLE FOR SUPPORTING CALCULATION AND MEASUREMENT DATA
See Attachment D in the Instructions on how to Complete This Section

Watershed Name: Newport Road - Indiana County

Design storm frequency 2-year Rainfall amount 2.51 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.31	0.31
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.087	0.120	0.033
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.058	-0.029
Stormwater discharge rate for the design frequency storm			
1) 2-Year/24-Hour	5.466 cfs	3.134 cfs	-2.332 cfs
2) 10-Year/24-Hour	11.50 cfs	7.906 cfs	-3.594 cfs
3) 50-year/24-Hour	19.42 cfs	14.31 cfs	-5.11 cfs
4) 100-year/24-Hour	23.37 cfs	17.87 cfs	-5.50 cfs

4. SUMMARY DESCRIPTION OF POST CONSTRUCTION STORMWATER BMPs

In the lists below, check the BMPs identified in the Post Construction Stormwater Management Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the Site Restoration Plan is not listed below, describe it in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
Bio-infiltration areas	Infiltration/Recharge		
☐ Infiltration Trench		_____	_____
☐ Infiltration Bed		_____	_____
☐ Infiltrated Basin		_____	_____
Natural Area Conservation	Infiltration/Recharge		
☐ Streamside Buffer Zone		_____	_____
☐ Wetland Buffer Zone		_____	_____
☐ Sensitive Area Buffer Zone		_____	_____
☐ Pre-Construction Drainage Pattern Intact		_____	_____
Stormwater Retention	Detention/Retention		
☐ Constructed Wetlands		_____	_____
☐ Wet Ponds		_____	_____
☐ Retention Basin		_____	_____
Sediment and Pollutant Removal	Water Quality Treatment		
☐ Vegetated Filter Strips		_____	_____
☐ Compost Filter Sock		_____	_____
☐ Detention Basins		_____	_____

Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	 _____ _____ _____ _____ _____	 _____ _____ _____ _____ _____
Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Infiltration Berm	Infiltration/Recharge	 _____ _____ _____ 2695 cubic feet	 _____ _____ _____ 1.500

5. Off-site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☐ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge.

The Applicant must provide a demonstration in both the E&S and PCSM Plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

6. Thermal Impact Analysis.

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

7. Critical PCSM Plan stages.

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

3. SUMMARY TABLE FOR SUPPORTING CALCULATION AND MEASUREMENT DATA
See Attachment D in the Instructions on how to Complete This Section

Watershed Name: Cooney Road - Cambria County

Design storm frequency 2-year Rainfall amount 2.62 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.18	0.18
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.078	0.085	0.007
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.028	-0.050
Stormwater discharge rate for the design frequency storm			
1) 2-Year/24-Hour	2.154 cfs	1.399 cfs	-0.755 cfs
2) 10-Year/24-Hour	4.315 cfs	3.183 cfs	-1.132 cfs
3) 50-year/24-Hour	7.212 cfs	5.989 cfs	-1.223 cfs
4) 100-year/24-Hour	8.680 cfs	7.181 cfs	-1.499 cfs

4. SUMMARY DESCRIPTION OF POST CONSTRUCTION STORMWATER BMPs

In the lists below, check the BMPs identified in the Post Construction Stormwater Management Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the Site Restoration Plan is not listed below, describe it in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
Bio-infiltration areas	Infiltration/Recharge		
☐ Infiltration Trench		_____	_____
☐ Infiltration Bed		_____	_____
☐ Infiltrated Basin		_____	_____
Natural Area Conservation	Infiltration/Recharge		
☐ Streamside Buffer Zone		_____	_____
☐ Wetland Buffer Zone		_____	_____
☐ Sensitive Area Buffer Zone		_____	_____
☐ Pre-Construction Drainage Pattern Intact		_____	_____
Stormwater Retention	Detention/Retention		
☐ Constructed Wetlands		_____	_____
☐ Wet Ponds		_____	_____
☐ Retention Basin		_____	_____
Sediment and Pollutant Removal	Water Quality Treatment		
☐ Vegetated Filter Strips		_____	_____
☐ Compost Filter Sock		_____	_____
☐ Detention Basins		_____	_____

Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Infiltration Berm	Infiltration/Recharge	_____ _____ _____ 2486 cubic feet	_____ _____ _____ 0.880

5. Off-site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☐ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge.

The Applicant must provide a demonstration in both the E&S and PCSM Plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

6. Thermal Impact Analysis.

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

7. Critical PCSM Plan stages.

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.